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REC'D 0 5 NOV 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference					
PCT-031228	FOR FURTHER ACT	Examination	ionofTransmittalofInterna Report (Form PCT/IPEA	tionalPreliminary /416)	
	nternational filing date(da		Priority date (day/mon	th/year)	
PCT/KR2003/002859	27 DECEMBER 200	3 (27.12.2003)	28 DECEMBER 2002		
International Patent Classification (IPC) of IPC7 A61K 31/70	r national classification an	d IPC			
Applicant	· · · · · · · · · · · · · · · · · · ·				
AMOREPACIFIC CORPORAT	TION et al				
This international preliminary exam and is transmitted to the applicant and	ccording to Afficie 36.			amining Authority	
This REPORT consists of a total of	3sheets, in	ncluding this cover sh	neet.		
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a total ofsheets.					
This report contains indications rela	ting to the following items	5:			
I X Basis of the report					
II Priority					
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of invent	ion	eny, inventive step a	nd industrial applicability	•	
V					
VII Certain defects in the international application VIII Certain observations on the international application					
oate of submission of the demand	D	ate of completion of	this report		
12 JULY 2004 (12.0°	İ		R 2004 (26.10.2004)		
Name and mailing address of the IPEA/KR		uthorized officer			
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea		Yoon, Kyung Ae		ONLY	
acsimile No. 82-42-472-7140	.	alanhama N- 00 40	491 5605		
m PCT/IPEA/409 (cover sheet) (July 199		elephone No. 82-42-	461-3003		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International aplication No.
PCT/KR2003/002859

L.	Basis	s of the report						
1.	With	regard to the elements of the international application:*						
	X	the international application as originally filed						
Î	$\overline{\Box}$	the description:						
		pages	, as originally filed					
l		F-85-0	, filed with the demand					
		pages, filed with the letter of						
		the claims:						
1		pages	, as originally filed					
i		pages, as amended (together with any	statment) under Article 19					
		pages, filed with the letter of	, filed with the demand					
	\Box							
	Ш	the drawings:						
		pagespages						
		pages, filed with the letter of	, filed with the demand					
ŀ		the sequence listing part of the description:						
		pages	as originally filed					
		pages	filed with the demand					
		pages, filed with the letter of						
2.	the international application was filed, unless otherwise indeed under this item. These elements were available or furnished to this Authority in the language in which							
		the language of a translation furnished for the purposes of international search (under Rule 23.	sh which is					
	X	the language of publication of the international application (under Rule 23.	1(b)).					
		the language of the translation furnished for the purposes of international preliminary examinor 55.3).	nation(under Rules 55.2 and/					
3.	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
	X							
	X	filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
	\Box	furnished subsequently to this Authority in computer readable form						
	二							
		The statement that the subsequently furnished written sequence listing does not go beyond the disc losure in the international applicationas as filed has been furinshed. The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
		been furnished.	ritten sequence listing has					
4.		The amendments have resulted in the cancellation of:						
		the description						
		the claims No.						
	•							
_		the drawings, sheet						
5.		This report has been established as if (some of) the amendments had not been made, since t go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	hey have been considered to					
	Replaci in this and 70	cement sheets which have been furnished to the receiving Office in response to an invitation und sopinion as "originally filed." and are not annexed to this report since they do not contain to 0.17).	ler Article 14 are referred to amendments (Rules 70.16					
** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.								

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INTERNATIONAL PRELIMINARY EXAMINATION

International aplication No.
PCT/KR2003/002859

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
 citations and explanations supporting such statement

	1. Statement			
	Novelty (N)	Claims	1-6	YES
		Claims	none	NO
	Inventive step (IS)	Claims	1-6	YES
		Claims	none	NO
	Industrial applicability (IA)	Claims	1-6	
		Claims	none	NO
1				

2. Citations and explanations (Rule 70.7)

The present invention relates to an agent for controlling BcI-2 expression or Brn-3a expression, which comprises ginsenoside F1 as an active component.

The following document has been considered for the purpose of this report: D1 = Planta Med. 2001 July, Vol 67(5), pp. 417-22.

D1 discloses the effects of ginsenosides F1, Rb1, Rb2, Rh1 from panax ginseng on a cell to cell communication function mediated by gap junctions.

1. Novelty and Inventive step

Even though D1 is relevant to the present invention, it does not describe the use of ginsenoside F1 for the agent for controlling the expression of Bc1-2 or that of Brn-3a. Besides, the applicants have supplied data showing that ginsenoside F1 inhibits the decreases of Bc1-2 and Brn-3a expressions and the apoptosis of HaCaT cells induced by ultraviolet ration.

As a consequence, claims 1-6 meet the criteria set out in PCT Article 33(2)- (3).

2. Industrial Applicability

The subject matter of claims 1-6 appears to be industrially applicable. [PCT Article 33(4)]